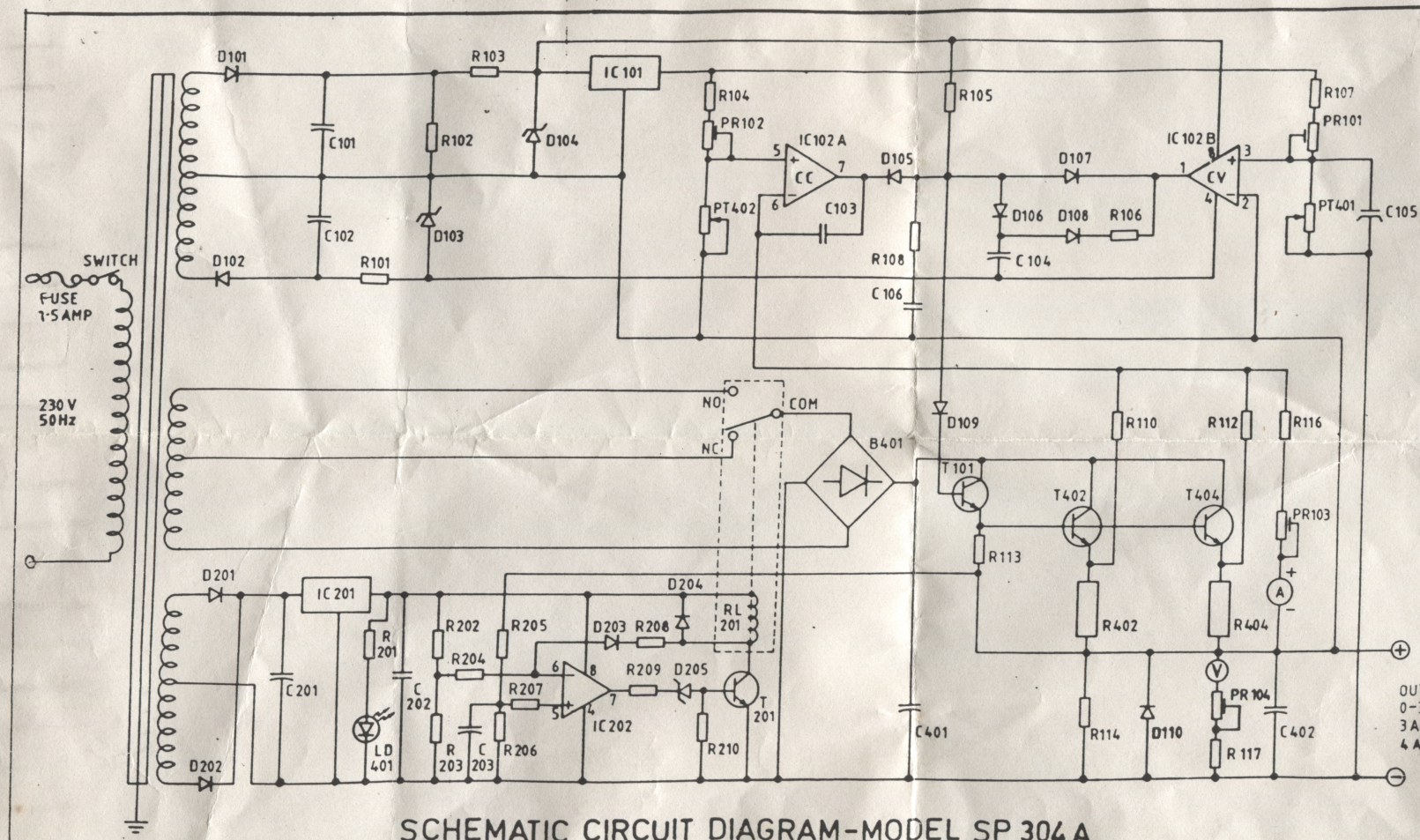
Labornetzgerät 0-30V, 4A
Techtron
NETZ
EIN
AUS
DC VOLTS
DC AMPERES
AUSGANG
+
-
VOLTAGE
MIN
MAX
CURRENT
MIN
MAX
MODEL SP 304A

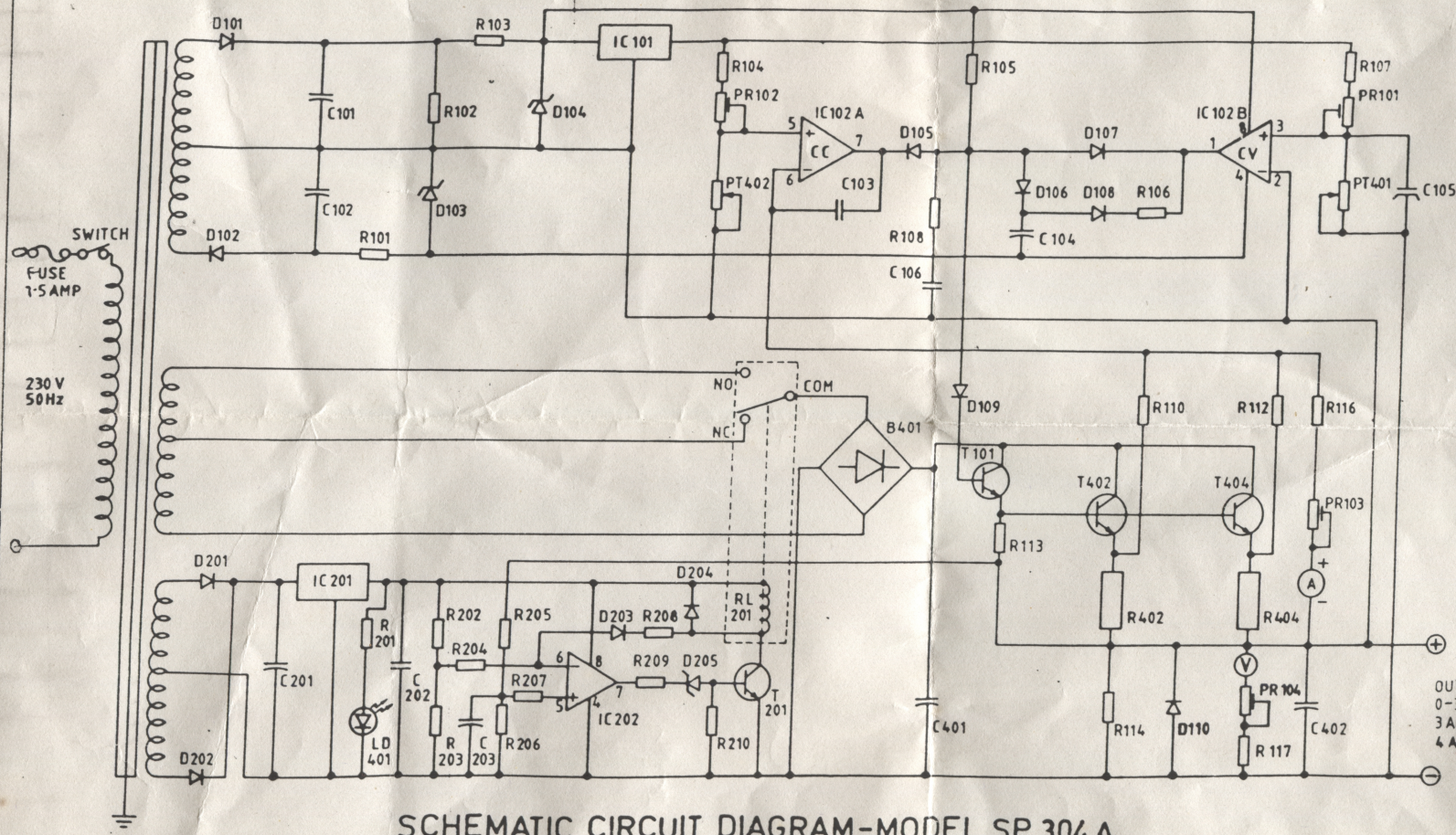


R101	220 Ω 3/2W	C101	220/35V	T401	—
R102	4K7	C102	1000/16V	T402	2N3055
R103	390Ω 1/2W	C103	10KPF	T403	—
R104	47 K	C104	100/35V	T404	2N3055
R105	1K5	C105	1/63V	T101	TIP31A
R106	3K3	C106	10KPF	T201	2SC2236
R107	10K	C401	3300/63V		
R108	33K	C402	47/50V x 2		
R109	—	C201	470/25V		
R110	100Ω	C202	100KPF		
R112	100Ω	C203	10/16V	IC101	7805
R113	1K2			IC102A	1458 (1/2)
R114	10K			IC102B	1458 (1/2)
R116	10Ω			IC201	7812
R117	27K			IC202	1458 (1/2)
R402	0·39Ω/3W				
R403	—	D201			
R404	0·39Ω/3W	TO	1N4002		
R201	1K2	D204			
R202	4K7	D205	6·2 V	B401	6 AMPS BRIDGE RECTIFIER
R203	3K3	D101	1N4002		
R204	10K	D102	—"—		
R205	68K	D103	6·2 V		
R206	33K	D104	12 V		
R207	10K	D105		LD401	LED
R208	100K	TO	1N4002		
R209	3K3	D109		RL201	12V RELAY
R210	10K	D110	1N5402		

PR103 :- CURRENT METER ADJ PRESET - 1K
PR101 :- VOLTAGE ADJ PRESET - 10 K
PT401 :- VOLTAGE ADJ POT - 100 K
PR102 :- CURRENT ADJ PRESET - 10K
PT402 :- CURRENT ADJ POT - 10K
PR104 :- VOLTMETER ADJ PRESET - 10K
ALL RESISTORS ARE 1/4W, OHMS AND CAPACITORS IN MICROFARADS UNLESS SPECIFIED OTHERWISE.
* VALUE CAN BE CHANGED AS PER POT TOLERANCE.

SCHEMATIC CIRCUIT DIAGRAM-MODEL SP 304 A

S. I. P. L.
Dt: 2-11-90



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R105	1K5	C105	1/63V	T101	TIP31A
R106	3K3	C106	10KPF	T201	2SC2236
R107	10K	C401	3300/63V		
R108	33K	C402	47/50V x 2		
R109	—	C201	470/25V		
R110	100Ω	C202	100KPF		
R112	100Ω	C203	10/16V	IC101	7805
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R114	10K			IC102B	1458 (1/2)
R116	10Ω			IC201	7812
R117	27K			IC202	1458 (1/2)
R402	0·39Ω/3W				
R403	—	D201			
R404	0·39Ω/3W	TO	1N4002		
R201	1K2	D204			6 AMPS
R202	4K7	D205	6·2 V	B401	BRIDGE
R203	3K3	D101	1N4002		RECTIFIER
R204	10K	D102	—"—		
R205	68K	D103	6·2 V		
R206	33K	D104	12 V		
R207	10 K	D105		LD401	LED
R208	100K	TO	1N4002		
R209	3K3	D109		RL201	12V RELAY
R210	10K	D110	1N5402		

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SCHEMATIC CIRCUIT DIAGRAM–MODEL SP 304 A

S. I. P. L.
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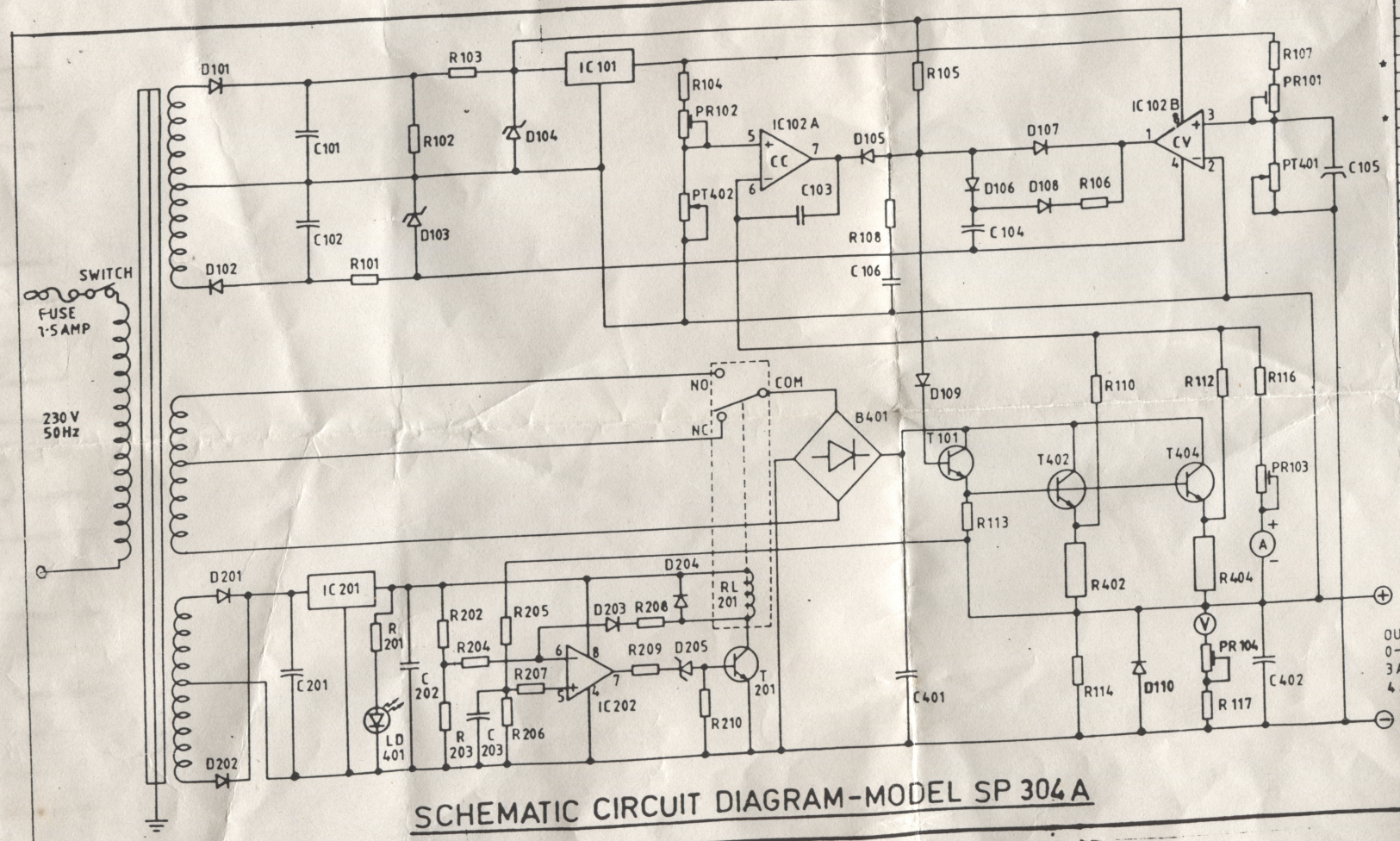

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R402	0·39Ω/3W				
R403	—	D201 TO D204	1N4002		
R404	0·39Ω/3W				
R201	1K2			B401	6 AMPS BRIDGE RECTIFIER
R202	4K7	D205	6·2 V		
R203	3K3	D101	1N4002		
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R207	10K	D105 TO D109	1N4002	LD401	LED
R208	100K				
R209	3K3			RL201	12V RELAY
R210	10K	D110	1N5402		

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